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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/753,677	
	Filing Date	January 8, 2004	
	First Named Inventor	Tharp, Charles E.	
	Art Unit	1724	
	Examiner Name	Charles S. Bushey	
Total Number of Pages in This Submission	9	Attorney Docket Number	55599.098470

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks:	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Blackwell Sanders Peper Martin, LLP	
Signature		
Printed Name	Lara Dickey Lewis	
Date	11-7-05	Reg. No. 48,161

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Express Mail Label No.: 657567418			
Signature			
Typed or printed name	Jill Brammer	Date	November 7, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**REVOCATION OF POWER OF
ATTORNEY WITH
NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/753,677
Filing Date	January 8, 2004
First Named Inventor	Charles E. Tharp
Art Unit	1724
Examiner Name	Charles Scott Bushey
Attorney Docket Number	55599.098470

I hereby revoke all previous powers of attorney given in the above-identified application:

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

27526

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with
Customer Number:

27526

OR

☐ Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Name

Date

Telephone

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 8 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Charles E. TharpApplication No./Patent No.: 10/753,677Filed/Issue Date: January 8, 2004Entitled: Membrane Diffuser With Uniform Gas DistributionEnvironmental Dynamics, Inc., a

(Name of Assignee)

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014961, Frame 0076, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
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The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

SEPT 30, 2005

Date

CHARLES E. THARP

Typed or printed name

573 474 9456

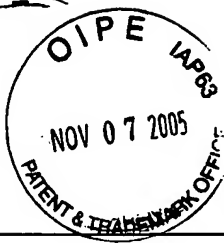
Telephone number

Signature

PRESIDENT OF ENVIRONMENTAL DYNAMICS INC

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 09, 2004

PTAS



102764198A

SHOOK, HARDY & BACON L.L.P.
RICHARD R. JOHNSON
2555 GRAND BLVD.
KANSAS CITY, MO 64108-2613

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/08/2004

REEL/FRAME: 014961/0076

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

THARP, CHARLES E.

DOC DATE: 01/05/2004

ASSIGNEE:

ENVIRONMENTAL DYNAMICS, INC.
5601 PARIS ROAD
COLUMBIA, MISSOURI 65202

SERIAL NUMBER: 10753677

FILING DATE: 01/08/2004

PATENT NUMBER:

ISSUE DATE:

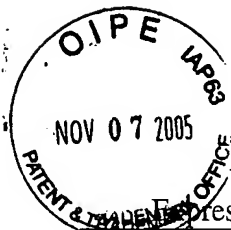
TITLE: MEMBRANE DIFFUSER WITH UNIFORM GAS DISTRIBUTION

FNDY 98470

TR

014961/0076 PAGE 2

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



01-21-2004



102764198

Attorney Docket No. ENDY.98470

U.S. PTO
010804
10753677

FORM PTO-1595

1-804

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPT. OF COMMERCE
PATENT AND TRADEMARK OFFICE

To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Charles E. Tharp

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: _____

Execution Date: January 5, 2004

2. Name and address of receiving party(ies):

Name: Environmental Dynamics, Inc.

Street Address: 5601 Paris Road

City: Columbia

State: Missouri

Zip: 65202

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

10753677

If this document is being filed together with a new application, the execution date of the application is: January 5, 2004.

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Richard R. Johnson

Internal Address: Shook, Hardy & Bacon L.L.P.

Street Address: 2555 Grand Blvd.

City: Kansas City

State: Missouri

Zip: 64108-2613

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed ☐ (See Patent Application Transmittal Form)☒ Authorized to be charged to deposit account any deficiencies.

8. Deposit Account No.: 19-2112

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard R. Johnson, Reg. No. 27,452

1-8-04

Name of person signing

Signature

Date

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ASSIGNMENT

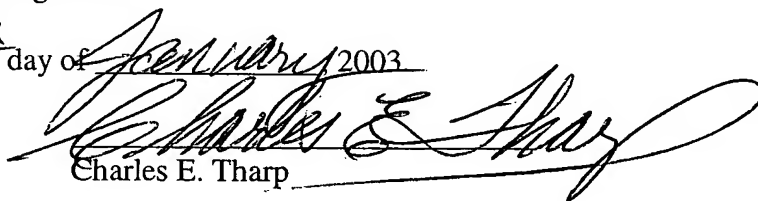
WHEREAS, I, Charles E. Tharp, of 2905 Bluff Cr. Drive, Columbia, in the County of Boone, and State of Missouri, have invented certain new and useful improvements in MEMBRANE DIFFUSER WITH UNIFORM GAS DISTRIBUTION for which I am about to make application for Letters Patent of the United States; and

WHEREAS, ENVIRONMENTAL DYNAMICS, INC., a corporation duly organized under the laws of the State of Missouri, and having its principal place of business at 5601 Paris Road, Columbia, County of Boone, and State of Missouri, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Charles E. Tharp, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ENVIRONMENTAL DYNAMICS, INC., the full and exclusive right, title and interest, throughout the world, in, to and under said invention as fully set forth and described in the specification prepared and executed by me on even date herewith preparatory to obtaining Letters Patent of the United States therefor; in, to and under said application; in, to and under any and all refilings, divisions and continuations of said application; in, to and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed

applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said ENVIRONMENTAL DYNAMICS, INC. for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

EXECUTED this 5th day of January 2003


Charles E. Tharp

STATE OF Missouri

: ss

COUNTY OF Boone

Before me personally appeared Charles E. Tharp, to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.


Notary Public

S E A L

My Commission Expires:

10/23/2004

CYNTHIA J. STOERKER
Notary Public - Notary Seal
State of Missouri
County of Boone

My Commission Expires October 23, 2004

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and to file and prosecute any corresponding foreign applications, including any international applications under the Patent Cooperation Treaty or the European Patent Convention: William B. Kircher, Reg. No. 22,481; Joseph B. Bowman, Reg. No. 25,807; Peter W. Gowdey, Reg. No. 25,872; Richard R. Johnson, Reg. No. 27,452; Walter R. Brookhart, Reg. No. 29,518; James H. Riley, II, Reg. No. 31,131; Joan Optican Herman, Reg. No. 31,968; Michael B. Hurd, Reg. No. 32,241; Patrick A. Lujin, Reg. No. 35,260; Scott D. Balderston, Reg. No. 35,436; Michael J. Gross, Reg. No. 35,528; William P. Jensen, Reg. No. 36,833; Kerry H. Owens, Reg. No. 37,412; Daniel W. Shinn, Reg. No. 40,810; B. Trent Webb, Reg. No. 40,865; Scott B. Strohm, Reg. No. 42,172; Janine A. Carlan, Reg. No. 42,387; Clinton G. Newton, Reg. No. 42,930; Jeffrey B. Williams, Reg. No. 43,269; John K. Hsu, Reg. No. 45,563; Greg S. Donahue, Reg. No. 47,531; Justin Krieger, Reg. No. 47,719; Marshall Honeyman, Reg. No. 48,114; Bart A. Starr, Reg. No. 48,386; Jean M. Dickman, Reg. No. 48,538; Eric A. Buresh, Reg. No. 50,394; Christopher J. Eaton, Reg. No. 51,143; Jesse J. Camacho, Reg. No. 51,258; Adam P. Seitz, Reg. No. 52,206; John E. Gibson, Reg. No. 52,944; and D. Wade Schnell, Reg. No. 53,563. Address all correspondence to: Richard R. Johnson, SHOOK, HARDY & BACON L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108-2613, telephone number (816) 474-6550.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's
signature


Charles E. Tharp


Date

Residence: Columbia, Boone County, Missouri
Citizenship: United States of America
Post Office Address: 2905 Bluff Cr. Drive
Columbia, Missouri 65201